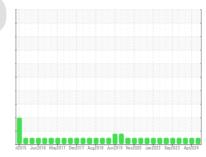


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
8121
Component
Diesel Engine

PETRO CANADA DURON SHP 15W40 (8 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

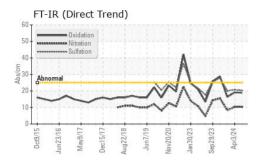
Fluid Condition

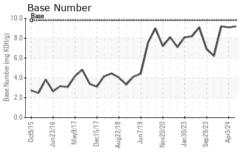
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

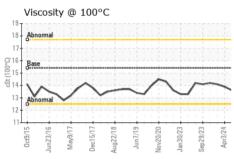
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0091884	GFL0112779	GFL0101283
Sample Date		Client Info		01 Jul 2024	03 Apr 2024	13 Jan 2024
	hrs	Client Info		16012	241033	15851
	hrs	Client Info		0	179209	0
Oil Changed	1110	Client Info		Not Changd	Not Changd	Not Changd
Sample Status		Olichi iilio		NORMAL	NORMAL	NORMAL
CONTAMINATIO	DNI	method	limit/base	current	history1	history2
Fuel		WC Method		<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
		WC Method	>0.2	NEG	NEG	NEG
Glycol				NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	19	20	6
Chromium	ppm	ASTM D5185m	>20	<1	2	<1
Nickel	ppm	ASTM D5185m	>4	0	1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	1	8	<1
Lead	ppm	ASTM D5185m	>40	1	4	<1
Copper	ppm	ASTM D5185m	>330	<1	1	2
Tin	ppm	ASTM D5185m	>15	0	2	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3	22	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	58	65	55
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	971	1001	868
Calcium	ppm	ASTM D5185m	1070	1119	1163	967
Phosphorus	ppm	ASTM D5185m	1150	1050	1062	997
Zinc	ppm	ASTM D5185m	1270	1282	1275	1152
Sulfur	ppm	ASTM D5185m	2060	3444	3520	2764
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	8	3
Sodium	ppm	ASTM D5185m		6	8	2
Potassium	ppm	ASTM D5185m	>20	1	4	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8	0.8	0.8
	Abs/cm	*ASTM D7624	>20	10.3	10.3	8.3
	Abs/.1mm	*ASTM D7415	>30	20.3	20.7	20.1
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.9	19.1	16.4
	mg KOH/g	ASTM D2896	9.8	9.2	9.1	9.2



OIL ANALYSIS REPORT



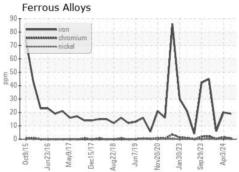


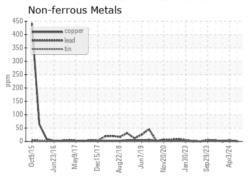


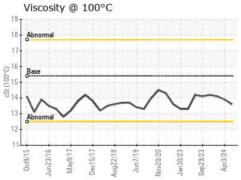
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

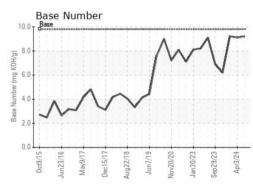
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.6	13.9	14.1

GRAPHS













Certificate 12367

Laboratory Sample No. Lab Number : 06229450

: GFL0091884 Unique Number : 11112943 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Jul 2024 **Tested**

: 09 Jul 2024 Diagnosed : 09 Jul 2024 - Wes Davis

GFL Environmental - 654 - Richmond Hauling

11800 Lewis Road Chester, VA US 23831

Contact: Jimmy Mayes jmayes@gflenv.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: GFL654 [WUSCAR] 06229450 (Generated: 07/09/2024 09:26:55) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

T: F: